SOLAR INNOVATIONS®
ARCHITECTURAL GLAZING SYSTEMS

Pivot Door In-House Thermal Simulations

Cardinal Glazing								
[272-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.46	0.27	0.44	32	0.46	0.24	0.38	38
[272-i89] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.43	0.26	0.43	31	0.43	0.23	0.37	38
[366-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.46	0.19	0.39	32	0.45	0.17	0.34	38
[366 - i89] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.43	0.19	0.38	31	0.43	0.16	0.33	38
[366 - 180 - i89] [$^{3}/_{16}$" - $^{3}/_{16}$" - $^{3}/_{16}$" Triple-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.39	0.17	0.38	31	0.39	0.15	0.29	38
Vitro Glazing								
[Solarban 60-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.46	0.26	0.44	32	0.46	0.23	0.38	38
[Solarban 70-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.46	0.19	0.39	32	0.45	0.17	0.34	38
Guardian Glazing								
[SN68-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Standard Vertical Rail					G3 LT Thermal Vertical Rail			
Sill	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
ADA Sill	0.46	0.25	0.42	32	0.46	0.22	0.36	38

Note: Not all configurations shown are NFRC Certified products. Solar Innovations, Inc. is not a NFRC accredited certified simulation laboratory. Results listed are for reference only. Actual NFRC values may vary. Units were modeled to NFRC -100, NFRC-200, and NFRC-500 standards using the standard size for each unit. All values are calculated using Windows 6.3 / THERM 6.3 programs by Lawrence Berkeley National Laboratory. Custom glass thermal simulations are available upon customer request.